



Complete Summary

TITLE

Diagnosis and treatment of respiratory illness in children and adults: percentage of patients with a diagnosis of pharyngitis who had strep screen testing.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Diagnosis and treatment of respiratory illness in children and adults. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2008 Jan. 71 p. [175 references]

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of patients with a diagnosis of pharyngitis who had strep screen testing.

RATIONALE

The priority aim addressed by this measure is to reduce excessive antibiotic treatment through decreased empiric treatment of patients with pharyngitis.

PRIMARY CLINICAL COMPONENT

Pharyngitis; rapid strep test; strep culture

DENOMINATOR DESCRIPTION

Number of patients with a diagnosis of pharyngitis as identified by the following International Classification of Diseases, Ninth Revision (ICD-9) codes: 462.0 and 034.4

NUMERATOR DESCRIPTION

Number of patients with a diagnosis of pharyngitis who received a strep screen test*

*Rapid strep test or strep culture

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Diagnosis and treatment of respiratory illness in children and adults.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age greater than or equal to 3 months

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component**INCIDENCE/PREVALENCE**

After viral upper respiratory infection and otitis, acute pharyngitis and/or tonsillitis is the third most common illness diagnosed by U.S. pediatricians.

Group A beta streptococcal pharyngitis is uncommon in children younger than three years of age and rare in children younger than 18 months old.

EVIDENCE FOR INCIDENCE/PREVALENCE

Institute for Clinical Systems Improvement (ICSI). Diagnosis and treatment of respiratory illness in children and adults. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2008 Jan. 71 p. [175 references]

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Patients with pharyngitis diagnosis.

Identify patients with pharyngitis diagnosis of 462.0 and 034.4. The medical record of each patient is reviewed to determine if the patient had either a rapid strep test or strep culture.

The suggested time period for data collection is a calendar month.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients with a diagnosis of pharyngitis as identified by the following International Classification of Diseases, Ninth Revision (ICD-9) codes: 462.0 and 034.4

Exclusions

Unspecified

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition
Encounter

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients with a diagnosis of pharyngitis who received a strep screen test*

*Rapid strep test or strep culture

Exclusions

Unspecified

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

NUMERATOR TIME WINDOW

Encounter or point in time

DATA SOURCE

Administrative data
Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties**EXTENT OF MEASURE TESTING**

Unspecified

Identifying Information**ORIGINAL TITLE**

Percentage of patients with a diagnosis of pharyngitis who had strep screen testing.

MEASURE COLLECTION

[Diagnosis and Treatment of Respiratory Illness in Children and Adults Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2007 Jan

REVISION DATE

2008 Jan

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Diagnosis and treatment of respiratory illness in children and adults. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2007 Jan. 71 p.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Diagnosis and treatment of respiratory illness in children and adults. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2008 Jan. 71 p. [175 references]

MEASURE AVAILABILITY

The individual measure, "Percentage of Patients With a Diagnosis of Pharyngitis Who Had Strep Screen Testing," is published in "Health Care Guideline: Diagnosis and Treatment of Respiratory Illness in Children and Adults." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](http://www.icsi.org).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org.

NQMC STATUS

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